



Prepared by Jennifer McNatt

FEMA Region 6 Weather Threat Briefing

Monday September 14, 2020

Disclaimer: The purpose of this briefing is to provide a <u>Regional</u> weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to <u>www.weather.gov/srh</u>.

Summary of the Upcoming Week



- The outer rain bands from Sally are approaching the northern Gulf Coast this morning.
- Sally likely to produce life threatening storm surge, hurricane force winds, and flash flooding over SE LA beginning today, and lasting into at least Tuesday.
- Isolated heavy rainfall/flash flooding possible across STX today.

FEMA Region 6 Threat Matrix

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Sep 14, 2020 - Sep 18, 2020

| DAY / THREAT | Mon | Tue | Wed | Thu | Fri |
|---------------------------|-------|-----------|---------------|-------|-------|
| Severe Storms | SE LA | SE LA | | | |
| Heavy Rain / | SE LA | SE LA STX | SE LA | | |
| Flash Flooding | STX | | | | |
| Fire Weather | | | | | |
| Tropical Winds / Surge | SE LA | SE LA | SE LA (early) | | |
| Winter Weather | | | | | |
| River Flooding | SE LA | SE LA | SE LA | SE LA | SE LA |
| | NEAR | NEAR | NEAR | NEAR | NEAR |



Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.

For more details on the colors in the threat matrix refer to the last slide in this briefing.

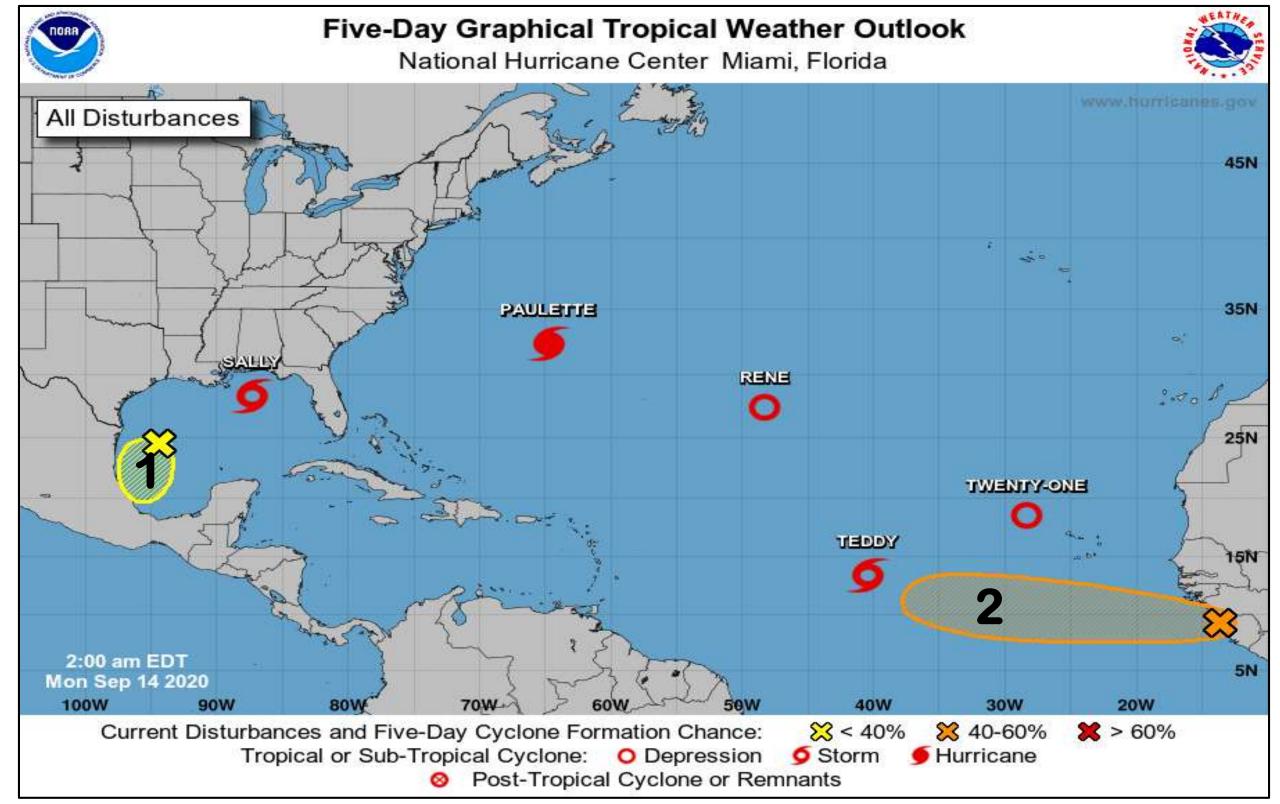
Tropical Weather Outlook – Atlantic/Gulf

See next slides for more information



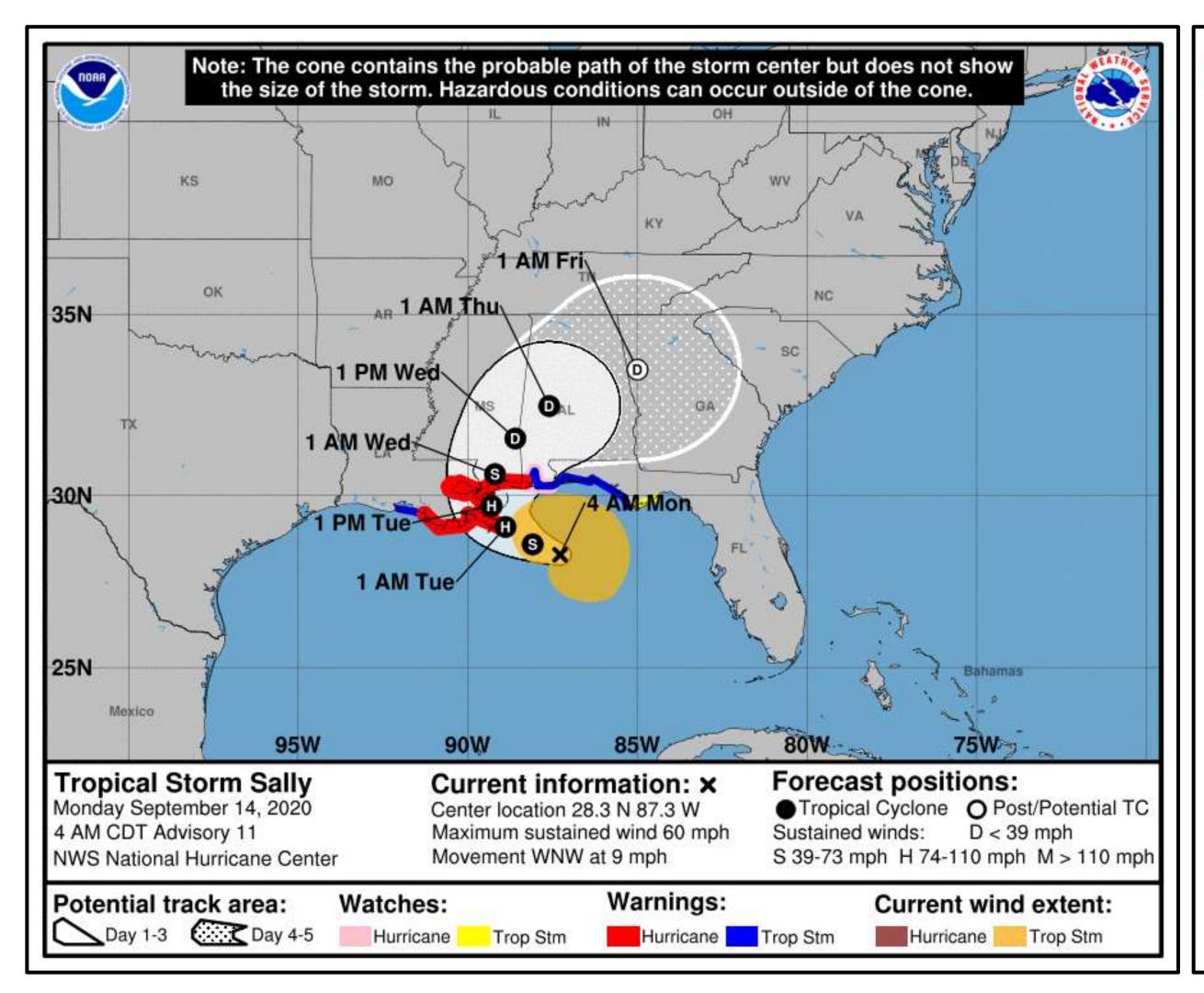
| Areas of Possible Development | | | | |
|-------------------------------|-----------------------|-----------------------------|--|--|
| Area | Chance of Development | Potential Impacts to FEMA 6 | | |
| 1 | Low | None. | | |
| 2 | Medium | None in the next 5 days. | | |

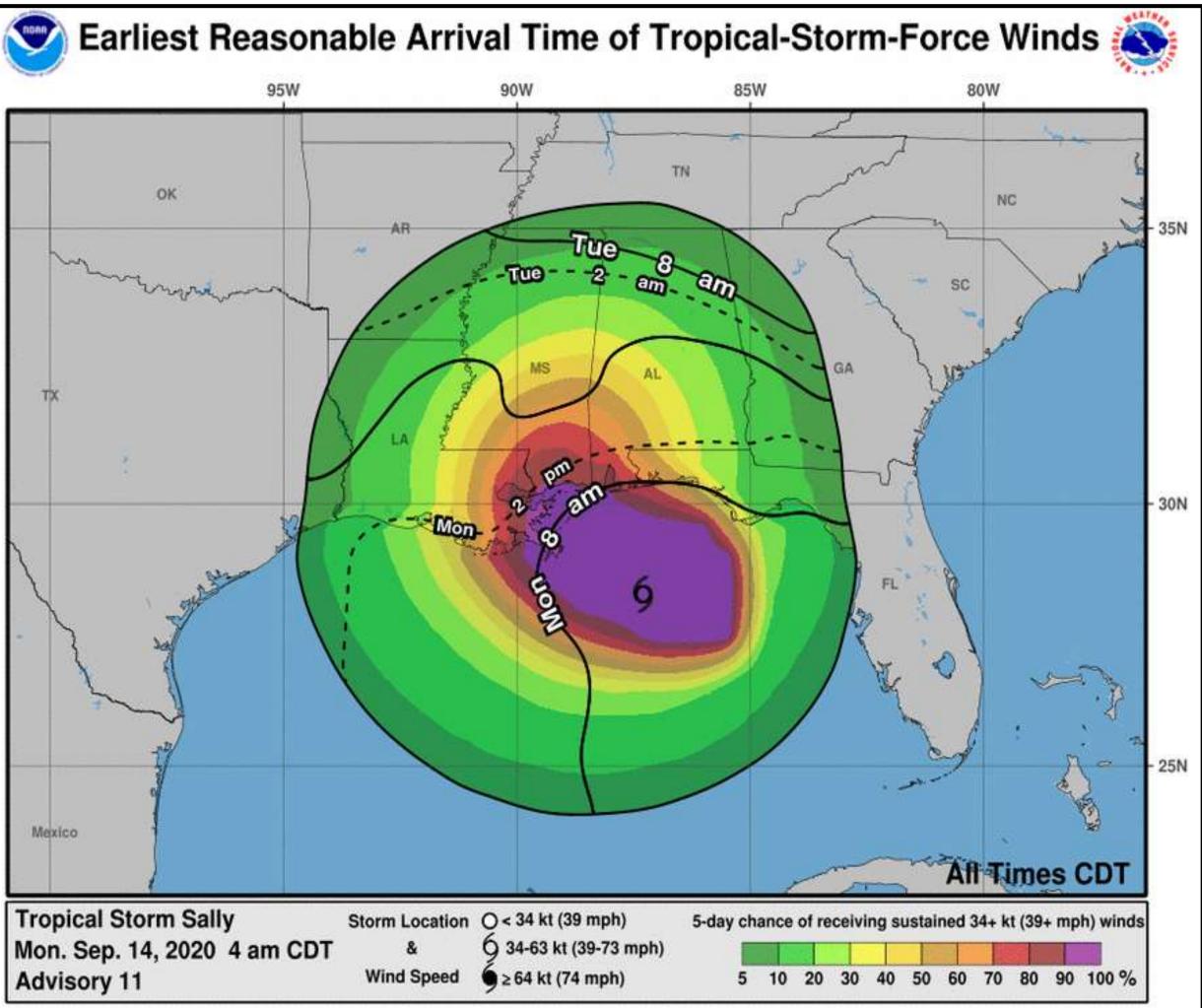
| Active Tropical Cyclones | | |
|--------------------------|---|--|
| Storm | Potential Impacts to FEMA 6 | |
| Teddy | None. | |
| Paulette | None. | |
| Rene | None. | |
| Sally | Heavy rain/significant flooding, life threatening storm surge, and hurricane force winds for Southeast Louisiana. | |
| 21 | None in the next five days. | |



Tropical Storm Sally

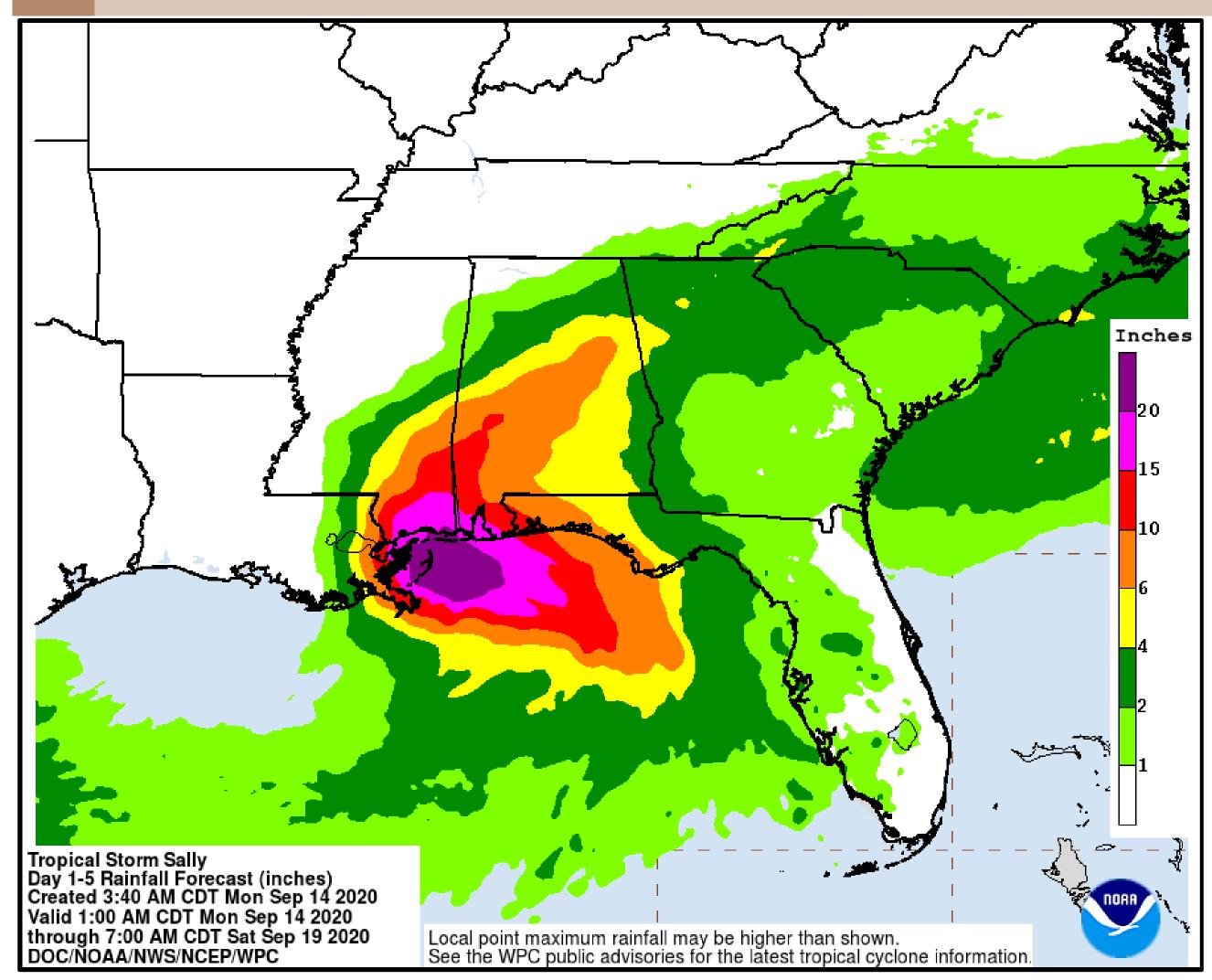


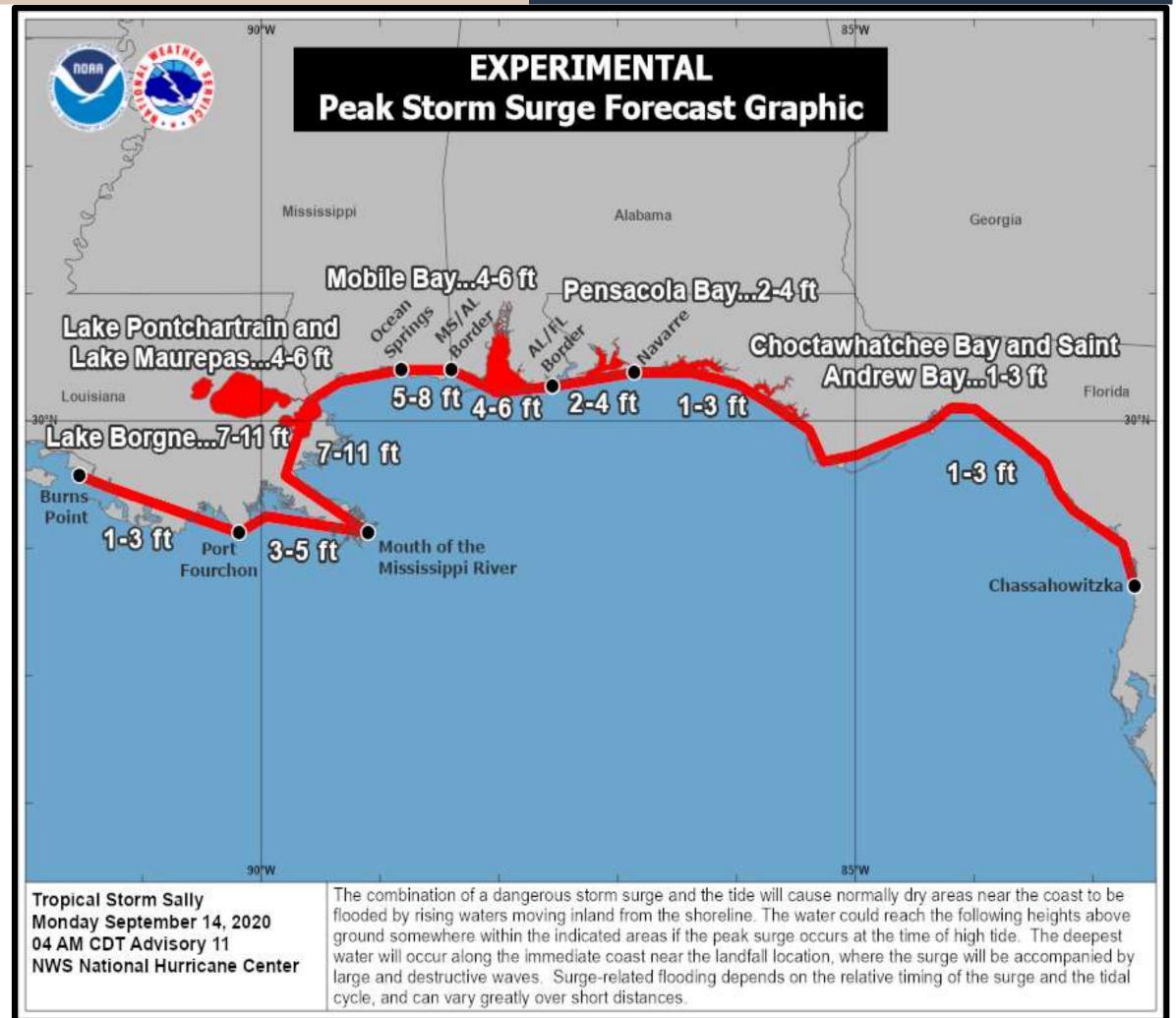




Tropical Storm Sally







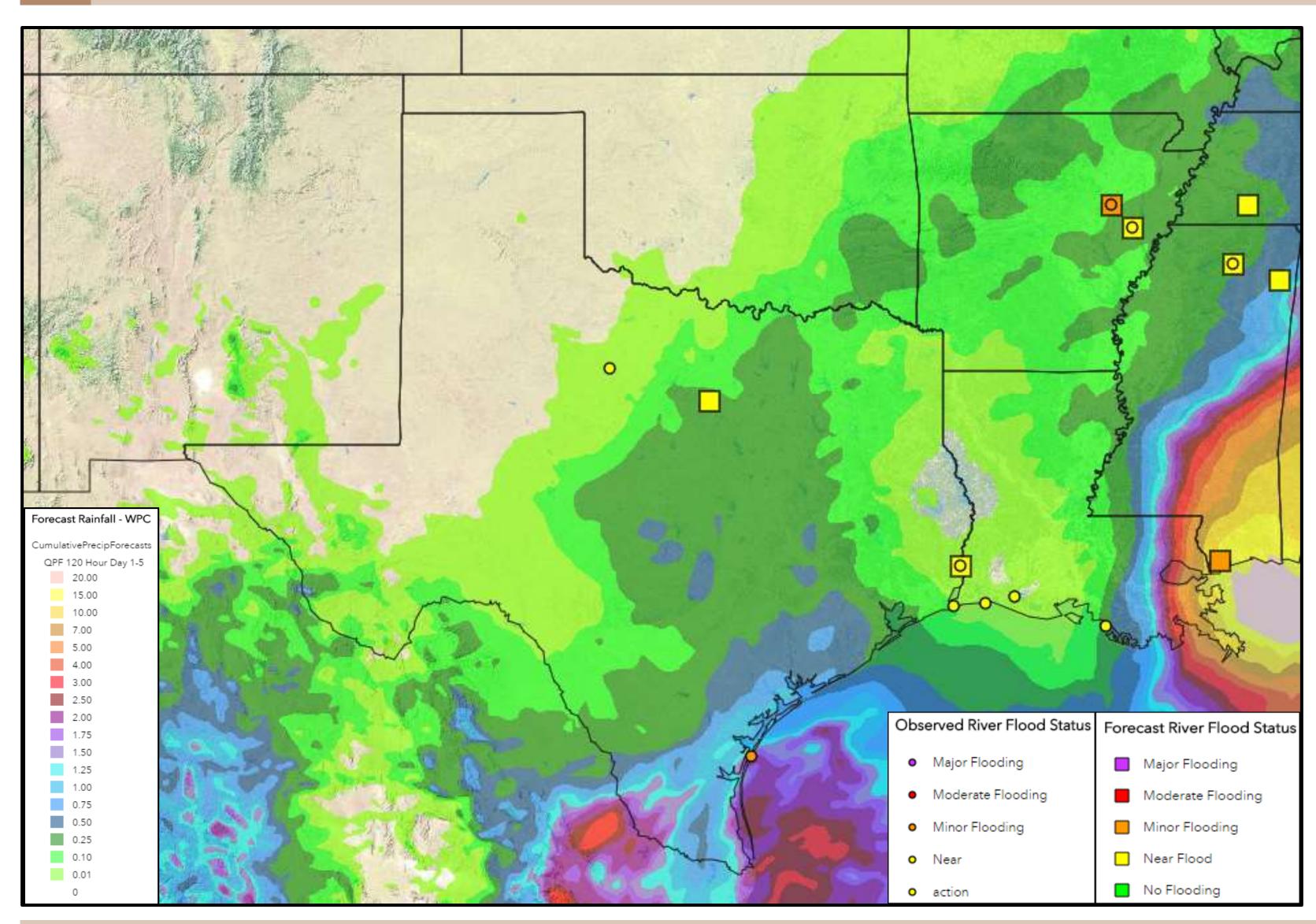
8-16 inches with isolated 24 inches of rain possible for Southeast Louisiana, depending on the exact track of Sally

Life threatening storm surge for Southeast Louisiana Today into Tuesday.

5-Day Precipitation Forecast & River Flood Status

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Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall



Isolated minor river flooding continues for the Cache River at Patterson in NE AR.

Local impacts to agricultural areas and secondary roads.

Widespread minor to isolated major river flooding is likely for SE LA due to rainfall from Sally, see next slide for details.

Flood Hazard Outlook



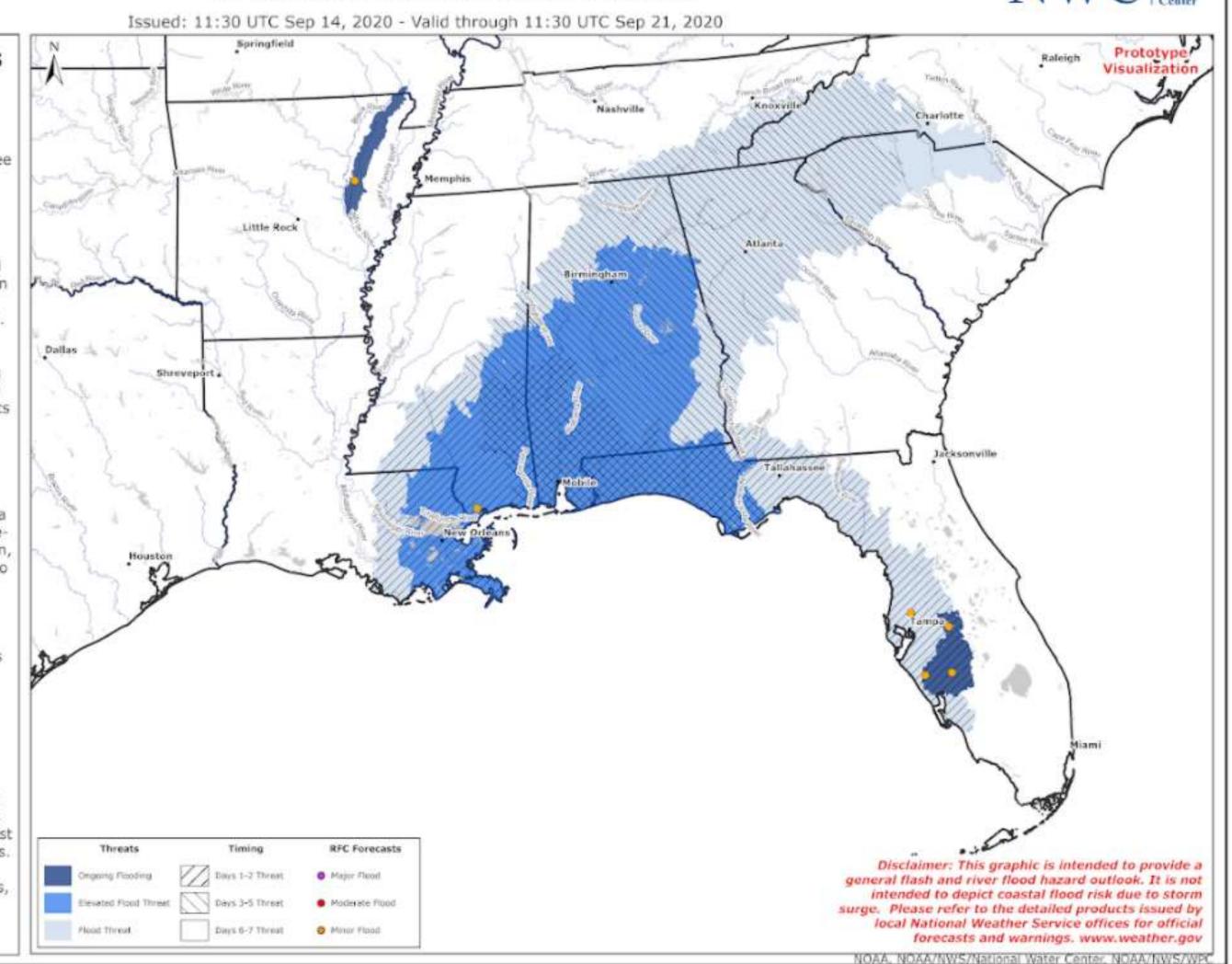


Flood Hazard Outlook (Prototype)

Includes General Flash and River Flood Hazards

Flood Hazard Messages associated with Tropical Storm Sally

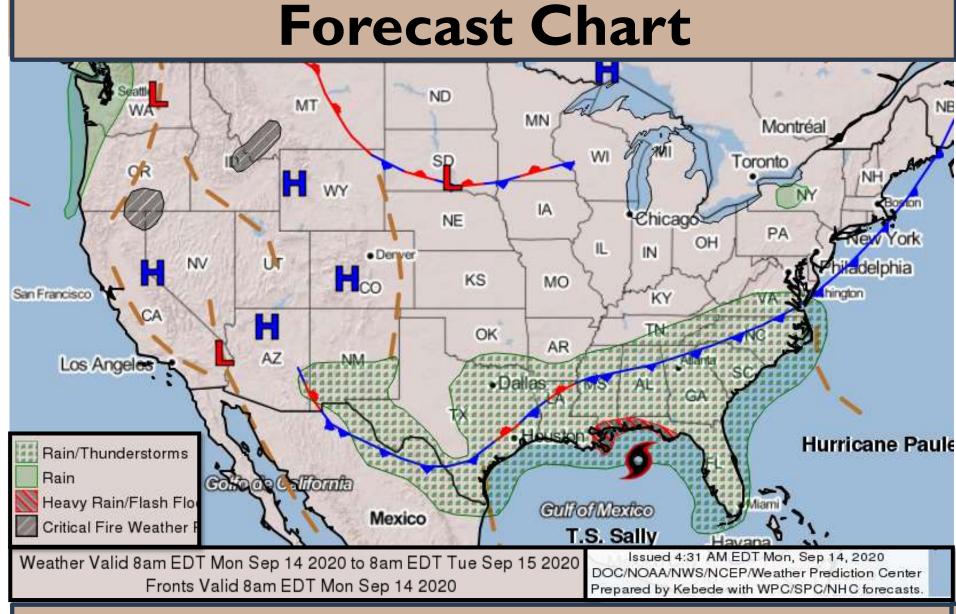
- . The National Hurricane Center (NHC) is forecasting extremely dangerous and lifethreatening storm surge along the central Gulf Coast. For a depiction of areas at risk, please see the Storm Surge Watch/Warning Graphic, available at hurricanes.gov.
- Outer bands of Sally are expected to produce additional rainfall of 1 to 3 inches across central and northern Florida through today. This rainfall may continue to produce isolated flash and urban flooding and prolong high flows and ongoing elevated flooding on rivers across central Florida.
- Rainfall associated with Sally may create flash and urban flooding beginning tonight and lasting through tomorrow along the coastal areas of the Big Bend of the Florida coastline; riverine impacts will be limited.
- Sally is expected to produce rainfall of 8 to 16 inches with isolated amounts of 24 inches over portions of the central Gulf Coast from the western Florida Panhandle to southeast Louisiana from today through the middle of the week. Lifethreatening flash flooding is possible. In addition, this rainfall will likely lead to widespread minor to isolated major flooding on area rivers.
- Sally is forecast to move inland early Wednesday and track into the Southeast with rainfall of 6 to 12 inches possible across portions of inland Mississippi and Alabama. Significant flash, urban, and small stream flooding is likely, as well as widespread minor to moderate river flooding.
- As Sally continues to move across the Southeast, heavy rain is anticipated across portions of eastern Tennessee, northern Georgia and western South and North Carolina. Portions of this area have seen heavy rainfall over the past few days, which may increase flash flooding risks. Flash, urban, small stream, and minor river flooding, especially along steep terrain and areas, is possible across this region.



Today's Weather

Forecast Rainfall





20.00 15.00 10.00 7.00 5.00 4.00 3.00 2.50 2.00 1.75 1.50 1.25 1.00 0.75 0.50 0.25 0.01 24-Hour Day 1 QPF Valid 12Z Mon Sep 14 2020

Heavy rain/flash flooding across SE LA.

Life threatening storm surge

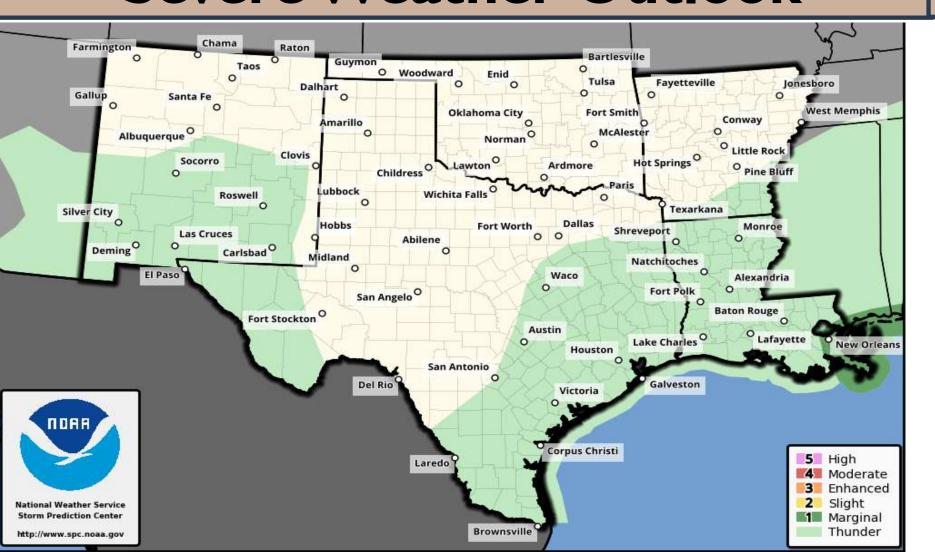
and hurricane force winds

likely for SE LA.

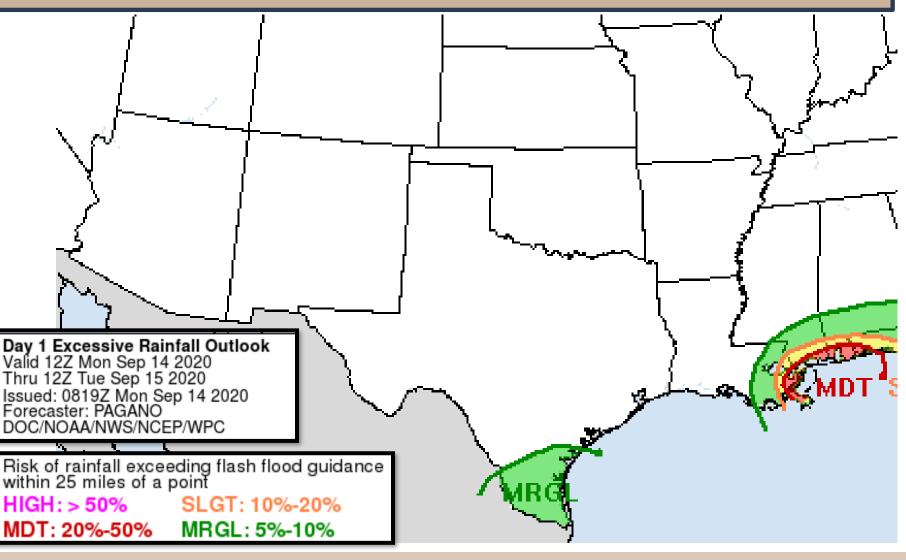
Isolated heavy rain/flash flooding possible for STX.

Low risk of a few tornadoes across SE LA.

Severe Weather Outlook



Excessive Rainfall Outlook



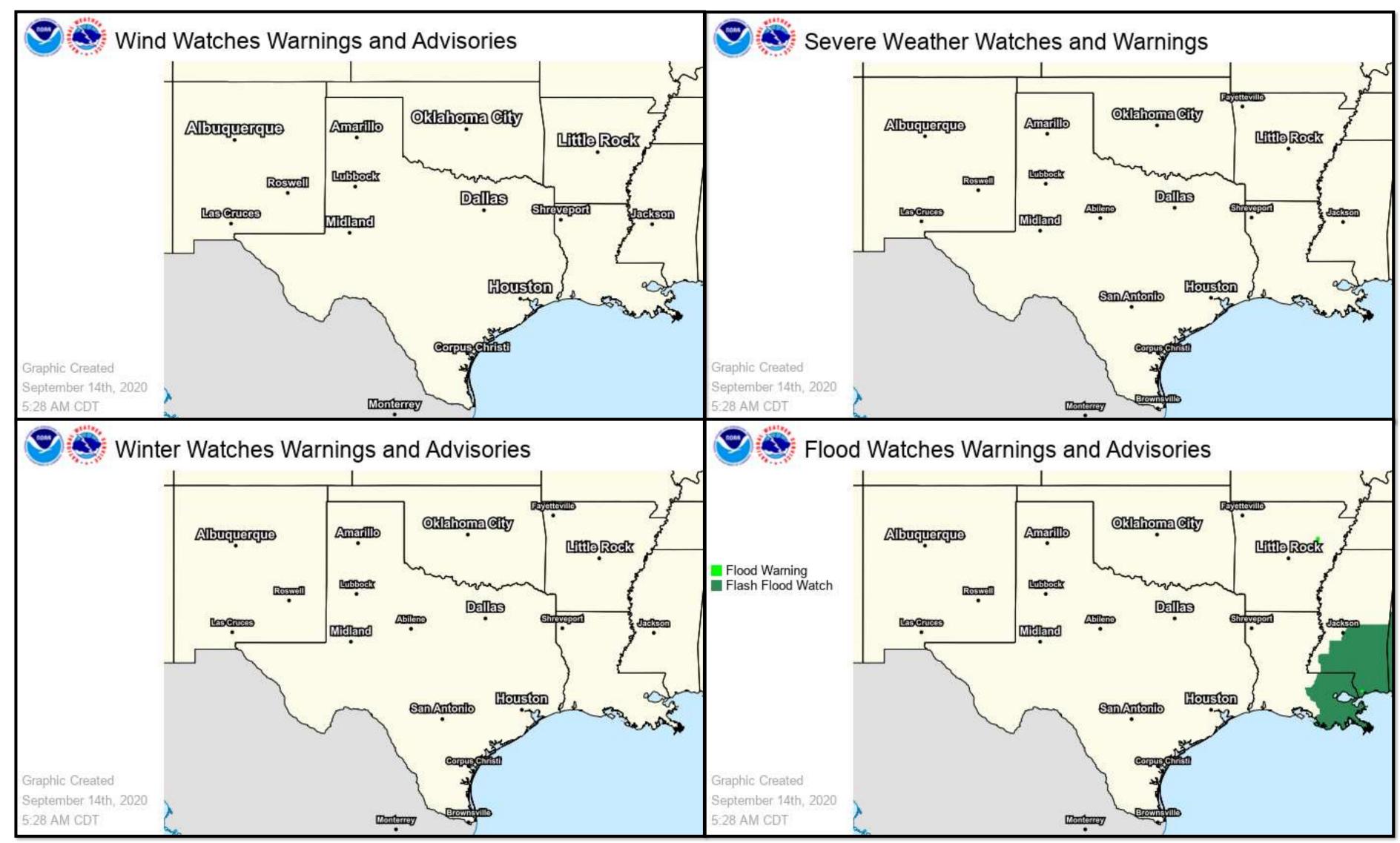
9/14/2020 6:22 AM www.weather.gov/srh

Thru 12Z Tue Sep 15 2020 Issued: 0752Z Mon Sep 14 2020

Watches, Warnings, and Advisories

Wind, Severe, Winter, and Flood Hazards



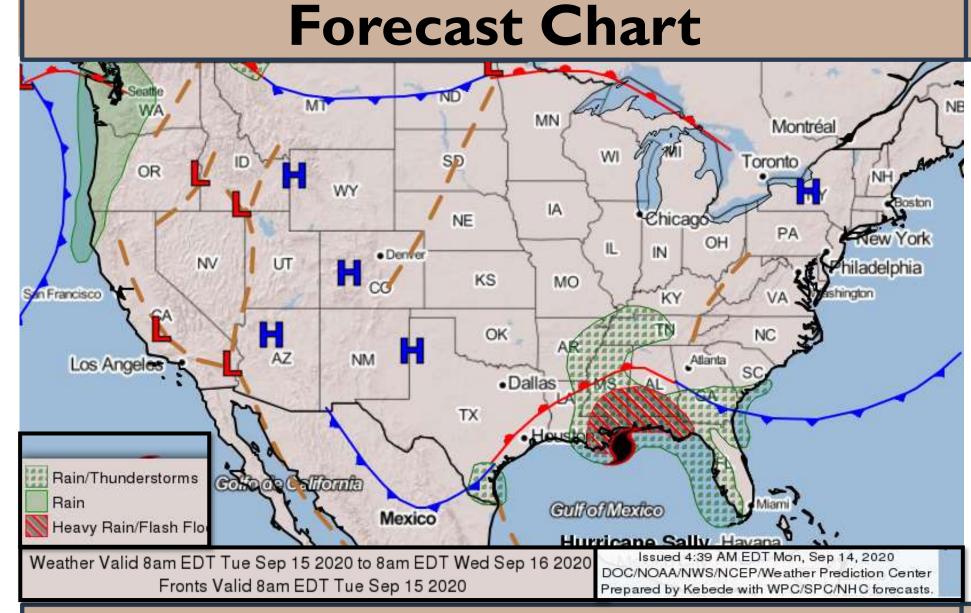


Flash Flood Watch for southeast LA through Thursday morning.

Tomorrow's Weather

Forecast Rainfall





20.00 15.00 10.00 7.00 5.00 4.00 3.00 2.50 2.00 1.75 1.50 1.25 1.25 1.00 0.25 0.25 0.25 0.10 0.01 0.01 0.01 24-Hour Day 2 QPF Valid 12Z Tue Sep 15 2020 Thru 12Z Wed Sep 16 2020 Issued: 0819Z Mon Sep 14 2020

Life threatening storm surge and hurricane force winds likely for SE LA.

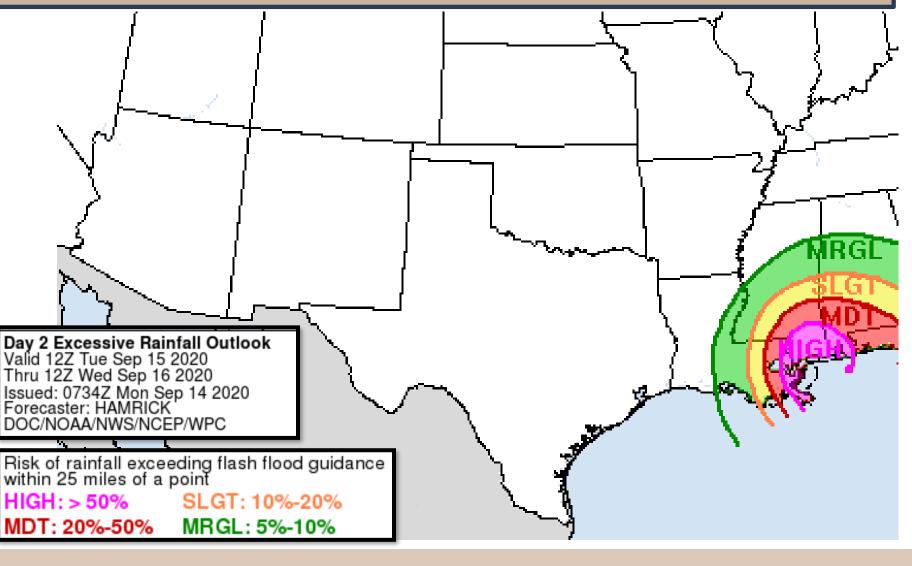
Heavy rainfall and significant flash flooding across extreme SE LA.

Low risk of a few tornadoes across SE LA.

Severe Weather Outlook



Excessive Rainfall Outlook

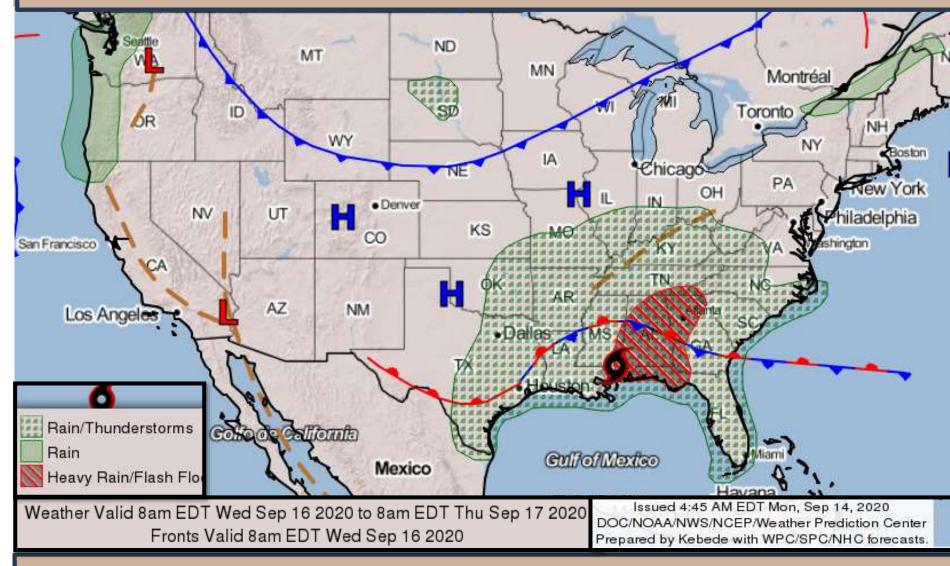


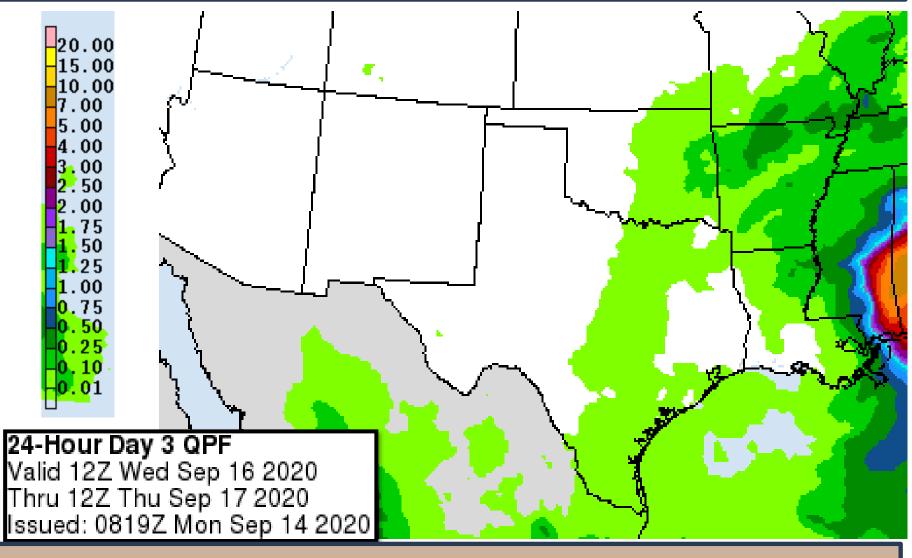
Wednesday's Weather

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Forecast Chart

Forecast Rainfall





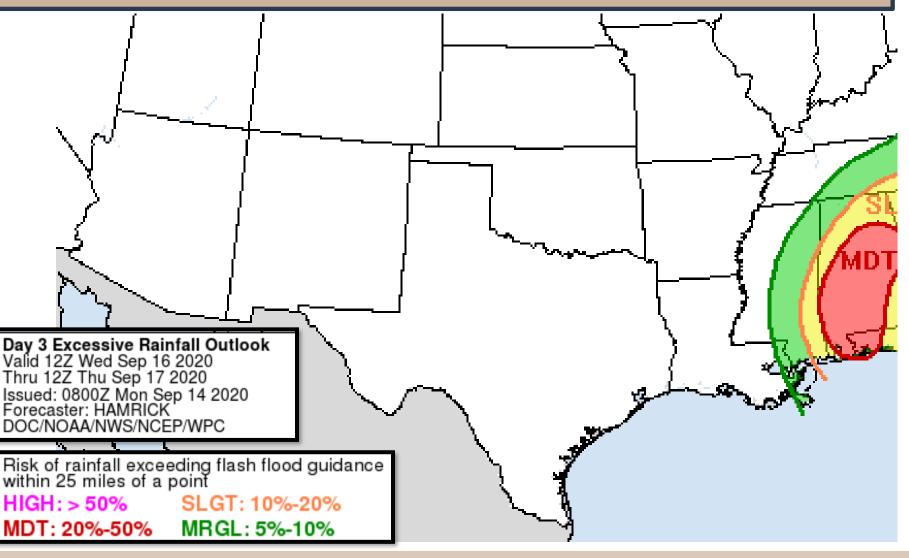
Depending on the rainfall realized from Sally, may see lingering water issues into at least mid-week.

May see some lingering gusty winds and heavy rainfall early in the day, depending on the eventual track of Sally.

Severe Weather Outlook



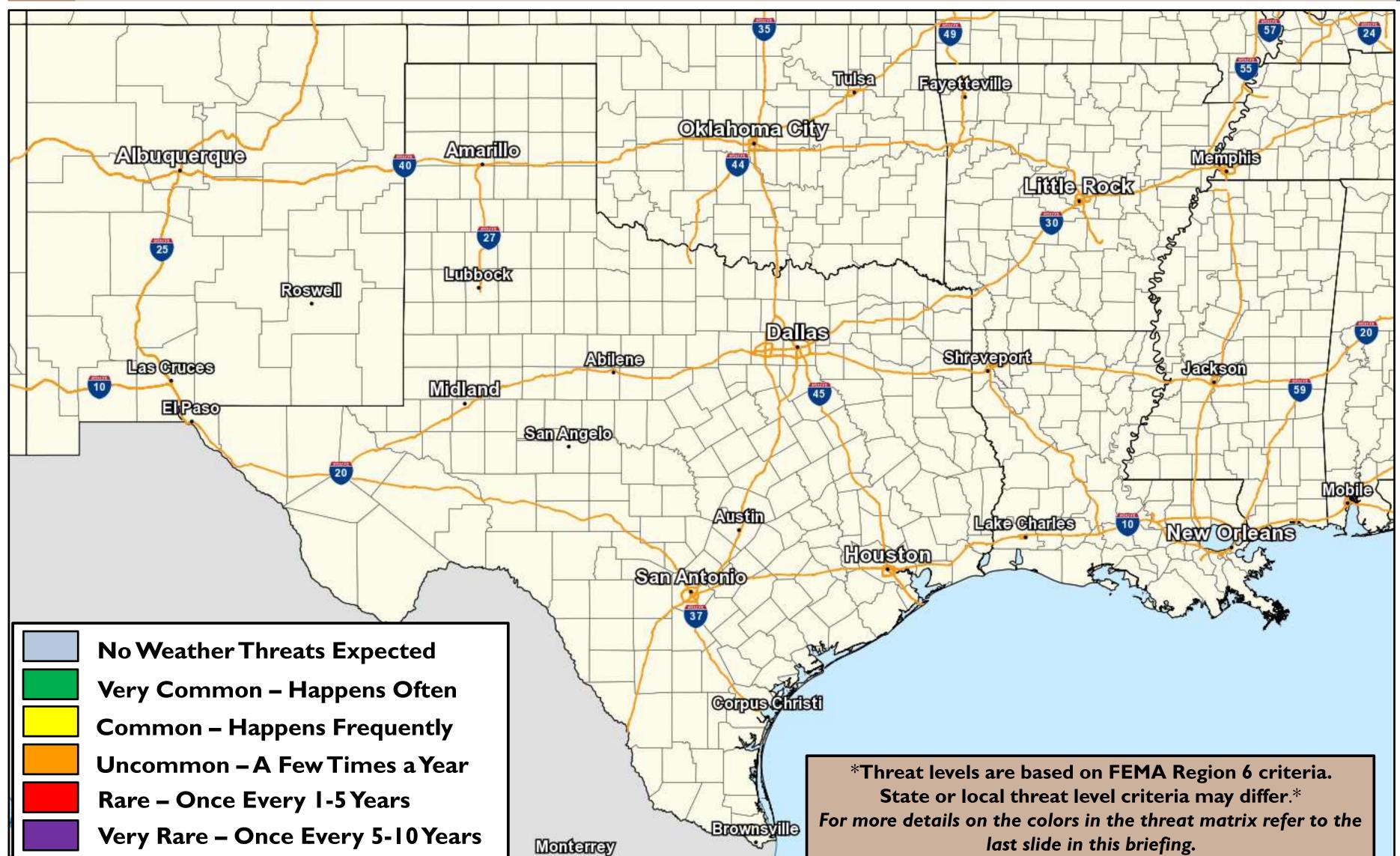
Excessive Rainfall Outlook



Days 4-5 Weather Hazards

Thursday - Friday



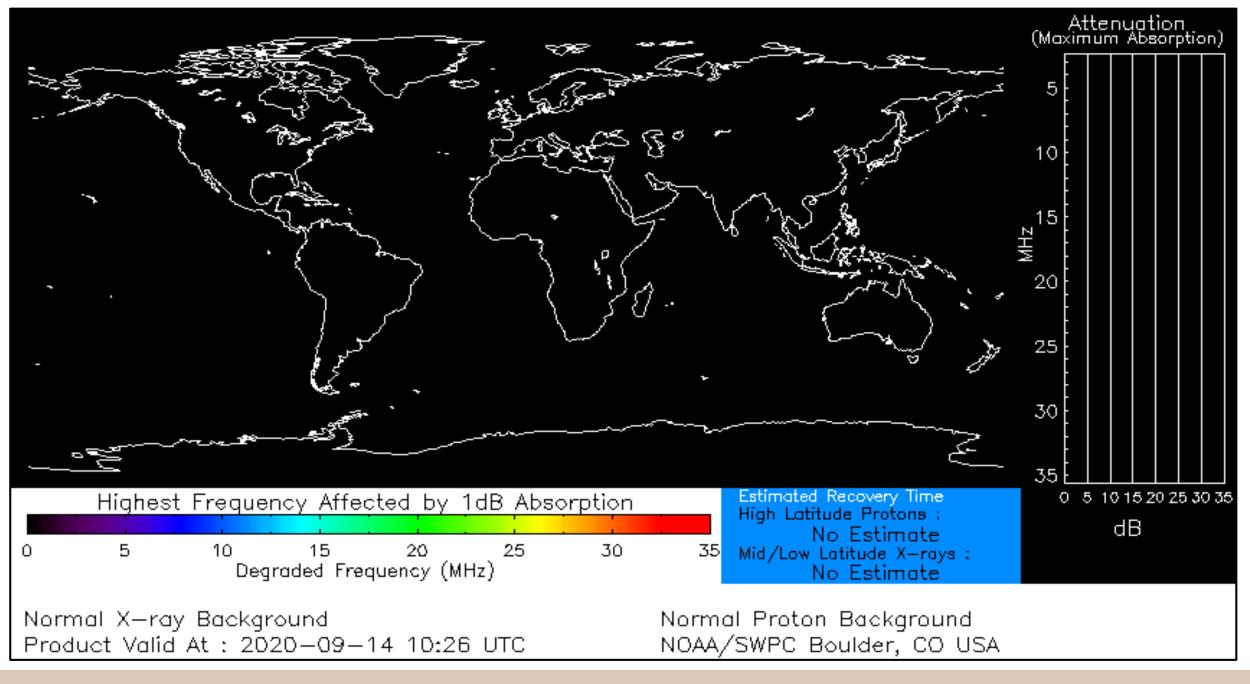


No significant weather expected.

Space Weather 3-Day Forecast



| | Monday | Tuesday | Wednesday |
|-------------------------------|-----------------------|-----------------------|-----------------------|
| Geomagnetic Storms | Quiet (Max Kp = 2) | Quiet (Max Kp = 2) | Quiet (Max Kp = 2) |
| Solar Radiation Storm (SI-S5) | 1% | 1% | 1% |
| Radio Blackout (RI-R2) | 1% | 1% | 1% |
| Radio Blackout (R3-R5) | 1% | 1% | 1% |



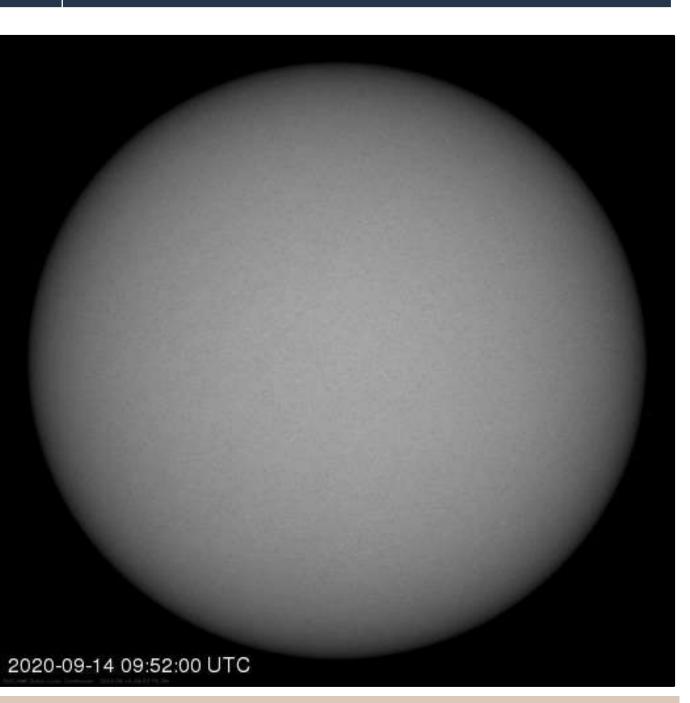
Click here for a

Description of the Space
Weather Storm Scales

Click here for the Latest

3-Day Space Weather

Forecast Text



9/14/2020 6:22 AM



For more information, please contact:

National Weather Service

Southern Region Headquarters Regional Operations Center Fort Worth, TX

Phone: (682) 703-3747

E-mail: sr-srh.roc@noaa.gov

Web: http://www.weather.gov/srh





| | Weather "Threat" Matrix | | | | | |
|--------|---|--|--|--|--|--|
| Color | Definition | Criteria | Example(s) | | | |
| Green | Very Common Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines | Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active | Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as seabreeze storms in coastal TX | | | |
| Yellow | Somewhat Common — Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life | Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook | 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1" hail | | | |
| Orange | Uncommon — A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life | Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions | A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail Some large fires reported, burn bans advertised, critical conditions expected | | | |
| Red | Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life | Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought | A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail Large fires ongoing throughout the area with critical fire weather conditions expected to continue | | | |
| Purple | Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life | Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought | A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long- lived, very widespread and particularly intense storms | | | |

Criteria for the color codes in this briefing is to the left, please provide any feedback to

sr-srh.roc@noaa.gov.